ANNEX D

SAMPLE FINAL PRE-CHARTER SAC BRIEF

Joint Integration a
Interoperability of Spec
Operations (JIIS

Joint Test and Evaluation
(JT&E)

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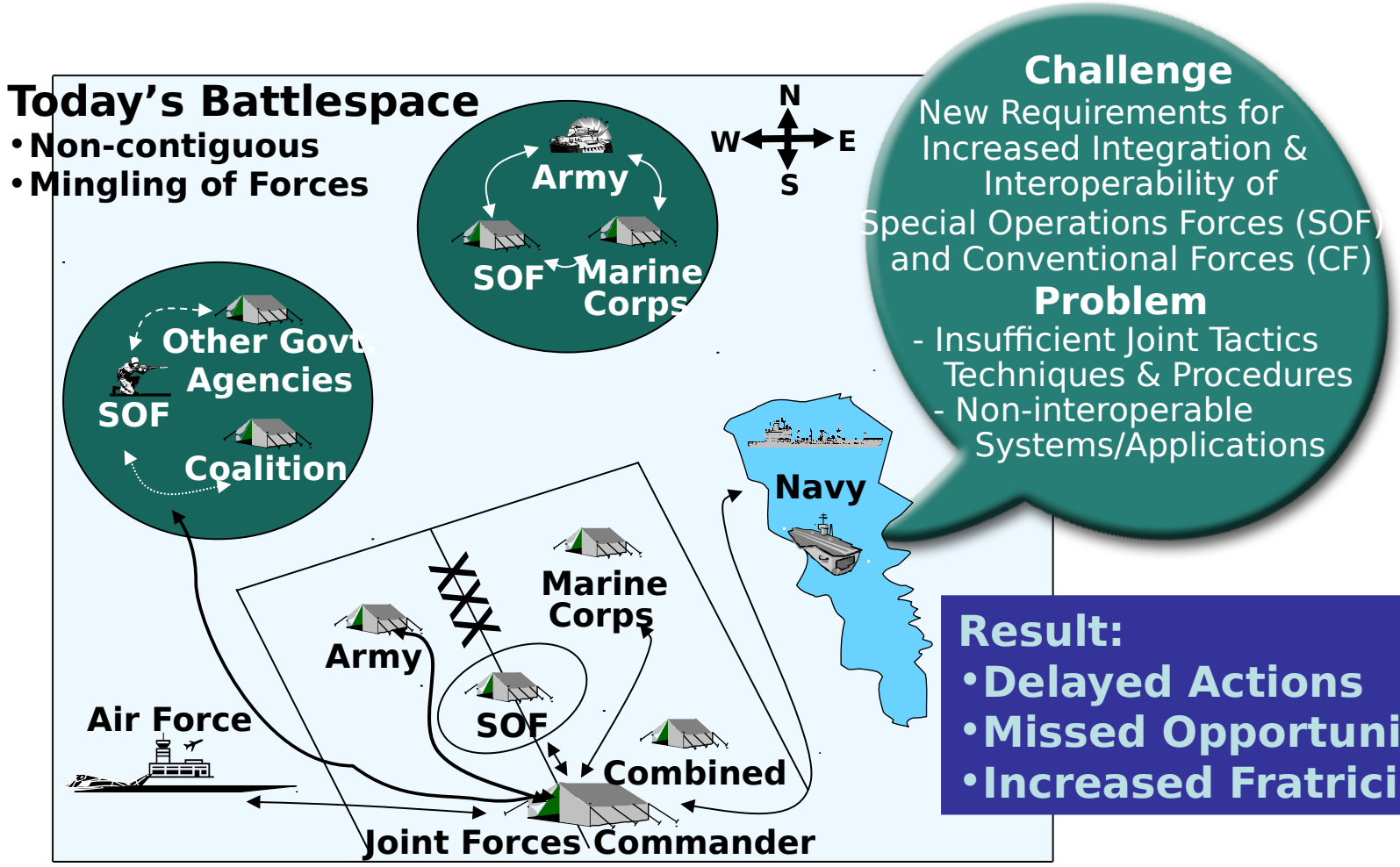
Senior Advisory Council
11 Feb 04

Overview

- **Background and Purpose**
- **Problem**
- **Test Concept**
- **Technical Advisory Board Concerns**
- **Benefits and Products**
- **Executive Level Support**
- **Summary**

The Joint Force Commander's Problem



A Joint Problem

A common thread of OIF reports indicate that SOF-CF Integration and Interoperability (I&I) *must be improved and institutionalized.*

USJFCOM OIF Quick Look Report

"capture processes and organizations shown to be important to SOF-conventional forces integration and to incorporate them into joint doctrine and training."

HQUSSOCOM Updated Lessons Learned 17 Dec 03

- Classified lessons learned stress new importance of SOF-CF integration and interoperability in Joint Fires

Army OIF Study Group Command and General Staff College

- "Integrate [other government agencies] OGA, SOF, and conventional TTP into warfighting doctrine…
- Operational level command and support relationships: conventional working for SOF, SOF supporting conventional…
- Excessive Security can cause a mission to fail because of

I MEF OIF Commanding General's Priority After Action Reports

"… that command relationships of SOF units within the MEF AO be modified …that the Combatant Commander not activate JSOAs for short-duration purposes…. That establishment of JSOAs and SOF operations must be thoroughly planned and integrated with all functional components."

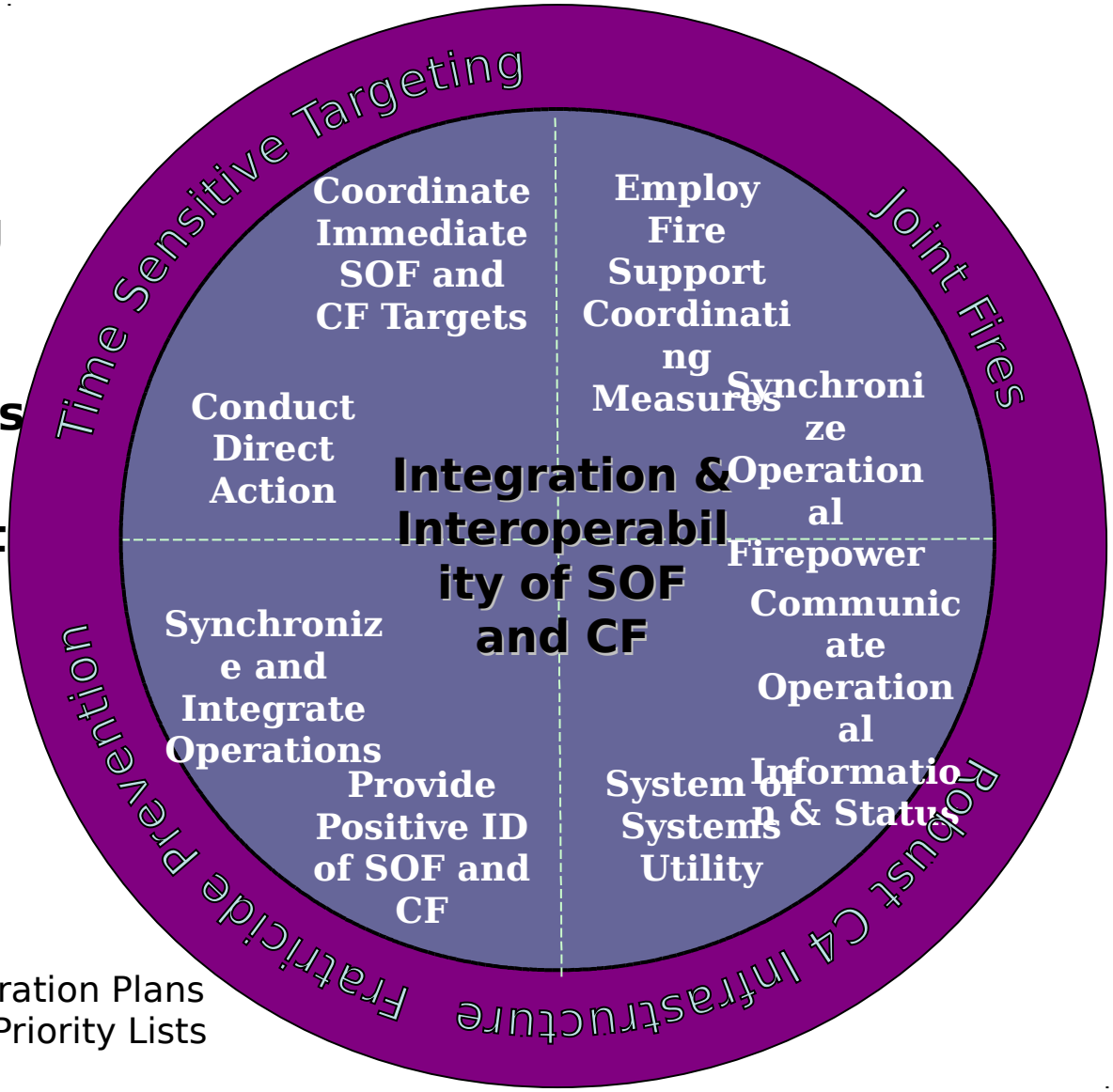
Incorporate SOF-CF I&I into Joint Doctrine and Joint Tactics, Techniques, and Procedures (JTTP)

U.S. Navy Lessons Learned OIF SOF-Conventional Integration

- "The process to integrate SOF and conventional forces is not institutionalized…
- Integrate conventional/SOF doctrine…"

Joint Priorities

Aligned with several high profile Warfighting areas earmarked by USJFCOM and the Combatant Commanders for near-term improvement


Time Sensitive Targeting
Joint Fires
Robust C4 Infrastructure
Fratricide Prevention
Coordinate Immediate SOF and CF Targets
Employ Fire Support Coordinating Measures
Conduct Direct Action
Integration & Interoperability of SOF and CF
Synchronize Operational Firepower
Synchronize and Integrate Operations
Communicate Operational Information & Status
Provide Positive ID of SOF and CF
System of Systems Utility

USJFCOM Lessons Learned Draft Integration Plans
Combatant Commanders' Integrated Priority Lists

JIISO JT&E Purpose

- **Improve Integration and Interoperability (I&I) of SOF and CF**
  - Improve Joint and Multi-Service TTP
  - Improve the System of Systems[1] (SoS) utility through materiel recommendations to USSOCOM, USJFCOM, and the Services.
- **Expected Results: Enhanced Joint Combat Effectiveness in the Global War on Terrorism – POTUS' and SECDEF's #1 priority**
  - Capitalize on the increased synergy of SOF and CF operations
  - Near seamless synchronization and coordination of SOF and CF

[1]**System of Systems** (SoS) – A set or arrangement of integrated systems that are related or connected to provide a given capability. The loss of any part of the system will degrade the performance or capabilities of the whole. *DODD 4630.5*

Problem and Issues

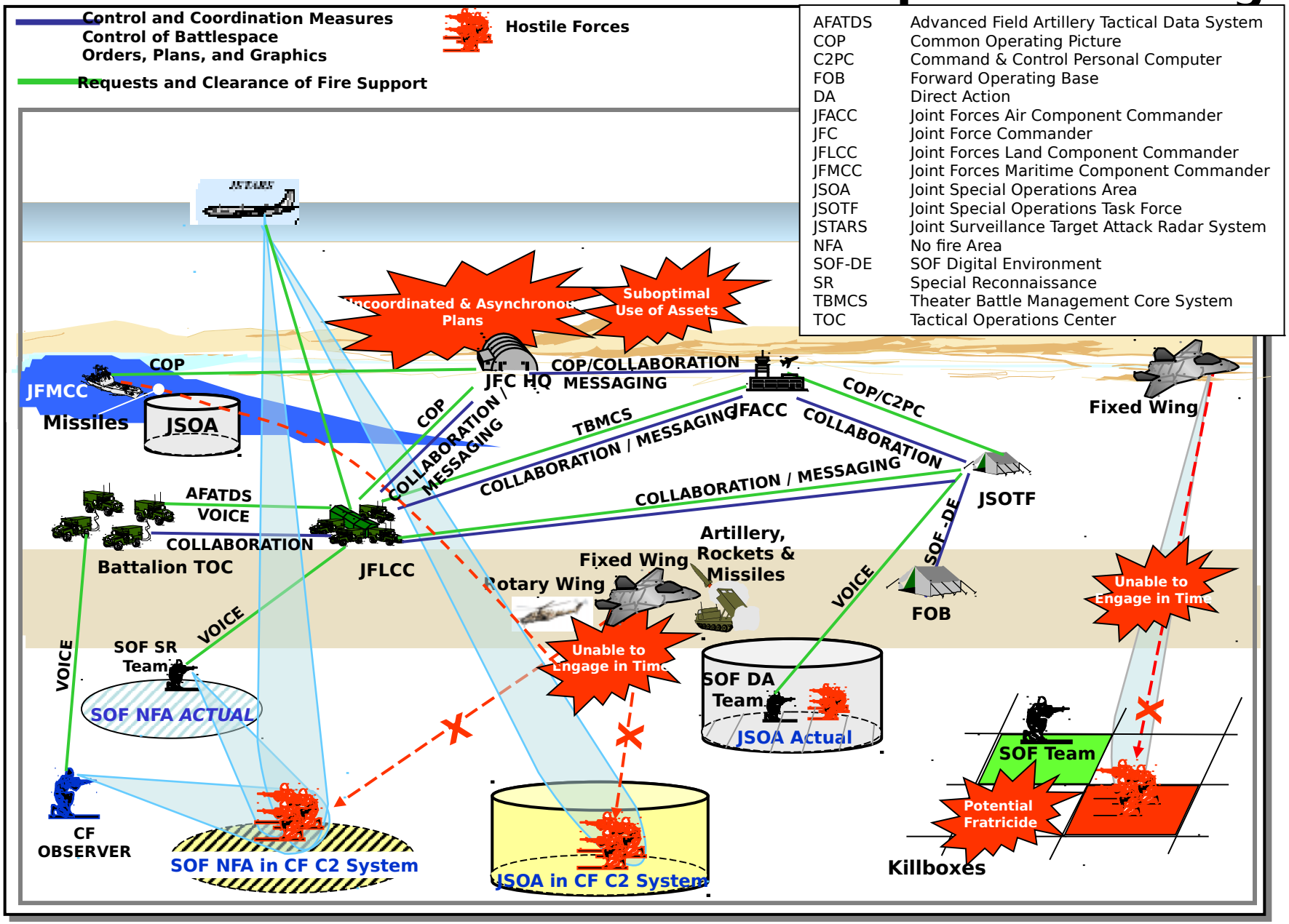
PROBLEM STATEMENT

The Joint Force Commander's limited integration and interoperability of Special Operations Forces and Conventional Forces during planning and execution of maneuver and fire support coordination results in delayed actions, missed opportunities, and increased potential for fratricide.

TEST ISSUES

- To what extent do **existing JTTP and the SoS** support the I&I of SOF and CF during planning for, and execution of, maneuver and fire support coordination?
- To what extent do **changes to JTTP** improve the integration of SOF and CF during planning for, and execution of, maneuver and fire support coordination?
- To what extent do **changes to the SoS** improve the interoperability of SOF and CF during planning for, and execution of, maneuver and fire support coordination?

The CF and SOF Battlespace Challenge

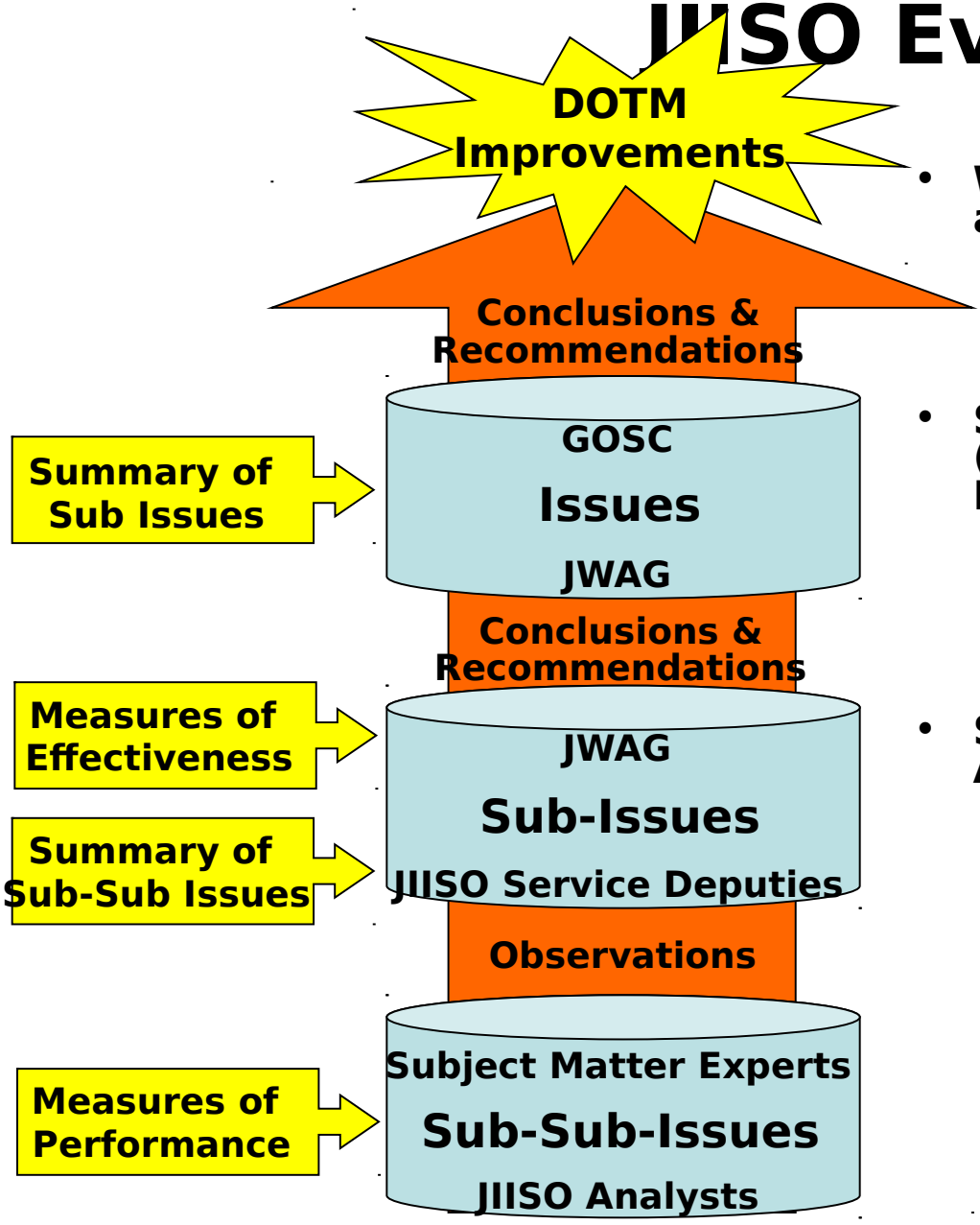


Areas In Scope

Areas	In Scope
Scenario	**Combat Operations** • SOF Supporting CF and CF supporting SOF • SOF operating in CF Area of Operations and close enough to require deconfliction
Functions	**Planning and Execution** • Maneuver • Fire Support Coordination (surface-surface and air-surface)
Forces	• **"White" SOF** • **Conventional Forces (air, land, and sea)**
Organizations	**Joint Force Commander-Level and Below** • Current Operations, Future Operations, and Fire Support Elements • Coordinating Elements
Systems	• **Force Employment (e.g., AFATDS)** • **Blue Force Situational Awareness (e.g., C2PC)** • **Collaborative Planning and Execution (e.g. IWS)** • **Messaging (e.g. DMS)**

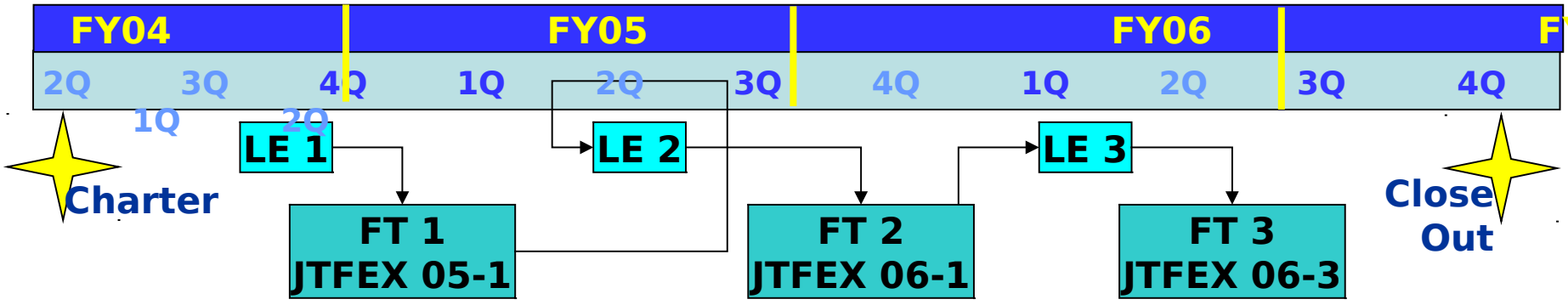
AFATDS	Advanced Field Artillery Tactical Data System	DMS	Defense Messaging System
C2PC	Command and Control Personal Computer	IWS	Information Work Space

JIISO Evaluation Process



- **Warfighters validate conclusions and recommendations**
  - General Officer Steering Committee (GOSC)
  - Joint Warfighter Advisory Group (JWAG) – Action Officer Level
- **Service and Joint representatives (JWAG and JIISO Service Deputies)**
  - Evaluate effectiveness based on operationally relevant Measures of Effectiveness (MOEs)
  - Develop conclusions and recommendations
- **Subject Matter Experts and Analysts**
  - Evaluate performance based on process or system level Measures of Performance (MOPs)
  - Submit observations and findings for resolution of Sub-Sub Issues

Test Schedule & Venues



- **Field Tests (FT):**
  - Primary: USJFCOM Joint Task Force Exercises (JTFEX) - Joint National Training Capability (JNTC)
  - Secondary: Select Joint Readiness Training Center (JRTC) rotations
  - Primary risk factor is assessed to be the schedule and not changes in venues (i.e., JTFEX 05-1 on the West Coast and JTFEX 06-1 and JTFEX 06-3 on the East Coast)
- **Lab Events (LE):**
  - Primary: Joint Battle Center (JBC), USJFCOM
  - Secondary: Existing Joint Lab Exercises, Joint Interoperability Test Command (JITC), or Service Labs

Test Articles

- JTTP Test Articles
  - **portions of the appropriate Joint Pubs that address SOF and CF integration with respect to execution of the Universal Joint Task List (UJTL) tasks below**
- System of Systems Test Articles
  - **system to system information exchanges between SOF and CF used to execute the UJTL tasks below**
- The following UJTL tasks drive the selection of test articles
  - OP 1.2.4.7 Conduct Direct Action in the Joint Operations Area (JOA)
  - OP 3.1.7 Employ Fire Support Coordinating Measures
  - OP 3.1.8 Coordinate Immediate Targets for Two or More Components
  - OP 3.2.7 Synchronize Operational Firepower
  - OP 5.3 Prepare Plans and Orders
  - OP 5.1.1 Communicate Operational Information
  - OP 5.1.11 Provide Positive ID of Friendly Forces in the JOA
  - OP 5.1.4 Maintain Operational Information and Force Status
  - OP 5.4.4 Synchronize and Integrate Operations

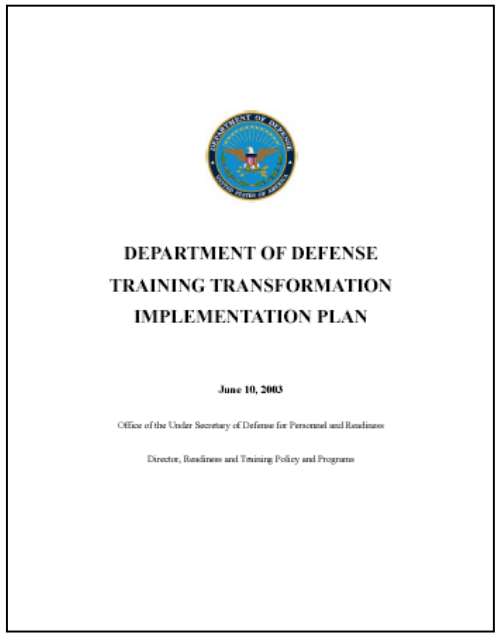
Technical Advisory Board (TAB) Concerns

- **Modeling and Simulation (M&S) lab support**
- **Ability to inject vignettes into exercises**

TAB Concern - Modeling and Simulation

- **Modeling and Simulation (M&S) Philosophy**
  - Live Simulation – i.e., real operators operating real systems under test and replicating specified aspects of the operational processes
  - Constructive and virtual simulations will not form the basis of evaluation although may be included into other aspects of the exercise for scenario robustness or exercise stimulation
- **Verification and Validation (V&V) Philosophy**
  - No “V&V Testing.” JIISO will only use models already V&V’d
  - Continuous assessment of face-validity by live-operators
- **Accreditation Plan**
  - Research to determine M&S “pedigree” – past use
  - Establish requirement driven acceptability criteria (e.g., entity motion, real-time operation, and warfighting actions) and assess M&S performance; consult with subject matter experts – *may be different from Exercise Accreditation*
  - JIISO Test Director accredits models or simulations for JIISO JT&E

TAB Concern - Integration into JTFEXs



DEPARTMENT OF DEFENSE
TRAINING TRANSFORMATION
IMPLEMENTATION PLAN

June 10, 2003

Office of the Under Secretary of Defense for Personnel and Readiness

Director, Readiness and Training Policy and Programs

"…the Joint Force Trainer will integrate into the force positive outcomes of Joint Test and Evaluation"

"Joint National Training Capability… Establish link to Director of Operational Test and Evaluation (DOT&E) Joint Test and Evaluation (JT&E) process. …"

"Measures of Success: … JT&E objectives routinely integrated into JNTC events."

Department of Defense Training Transformation Implementation Plan June 10, 2003

Initial Coordination for inclusion in first two primary test venues (JTFEX 05-1 and 06-1) have been successfully effected with:

- USJFCOM (JNTC and JTFEX Exercise Planners)
- C3F J-711 JTFEX Planner and J27 Scenario Developer
- C2F J-723 JTFEX Planner

Benefit to the Warfighter

Significant improvements to:

- **Maneuver**
  - Integration of SOF and CF planning and execution
  - Synchronization and exchange of battlespace control and coordination measures
  - Planning and execution of SOF in support of the CF "close fight"
- **Fire Support Coordination**
  - Planning and execution of SOF and CF fire support coordination
  - Planning and execution of CF fires in support of SOF
  - Activation, deactivation, handover, and synchronization of Joint Special Operations Areas (JSOAs)
  - Synchronization and deconfliction of SOF air operations and Tactical Land Attack Missile (TLAM) corridors
  - Tracking SOF operations and kill box status

JIISO Products

- **Commander's Handbook – useable results into the hands of the warfighter – fast!**
- **Joint and Multi-service pubs – revise existing pubs, and incorporate extensive changes into new pubs**
- **Transformation Change Packages to USJFCOM, USSOCOM, the Services, and the Joint Staff as appropriate**
  - Doctrine: Joint and Multi-Service TTP and joint integrated operational architectural views
  - Organizations: Changes consistent with enhancements
  - Training: Training packages for implementation of enhancements, new joint training requirements and UJTL enhancements
  - Materiel: Revised joint requirements, recommended enhancements to systems of record and joint integrated operational and systems architectural views

Executive Level Support

USSOCOM SPONSOR

USMC CO-SPONSOR

USJFCOM CO-SPONSOR

- **General Officer Steering Committee (GOSC):**
  - Provide guidance, scope, focus and areas of concern.
  - Obtain support/reduce friction for test venues, forces and other assets.
  - Endorse products and assist with their transition and acceptance.
  - Co-chairs: VADM Olson (DCDR USSOCOM) and LTG Wagner (DCDR USJFCOM)

GOSC Membership

1. VADM Olson	**USN**	**Deputy CDR**	**USSOCOM**
2. LTG Wagner	**USA**	**Deputy CDR**	**USJFCOM**
3. RADM Crowder	**USN**	**Director, DEEP BLUE**	**OPNAV N3/5**
4. BGen Neller	**USMC**	**Dir Ops Division**	**PP&O, HQMC**
5. Brig Gen Seip	**USAF**	**Deputy Dir, Ops & Training**	**DCS Air & Space Ops USAF**
6. BGen Hejlik	**USMC**	**Dir Policy, Training & Readiness**	**USSOCOM**
7. Brig Gen Burda	**USAF**	**Dir Operations**	**AFSOC**
8. BG Layfield	**USA**	**Asst Commandant**	**Army School of Infantry**

Summary

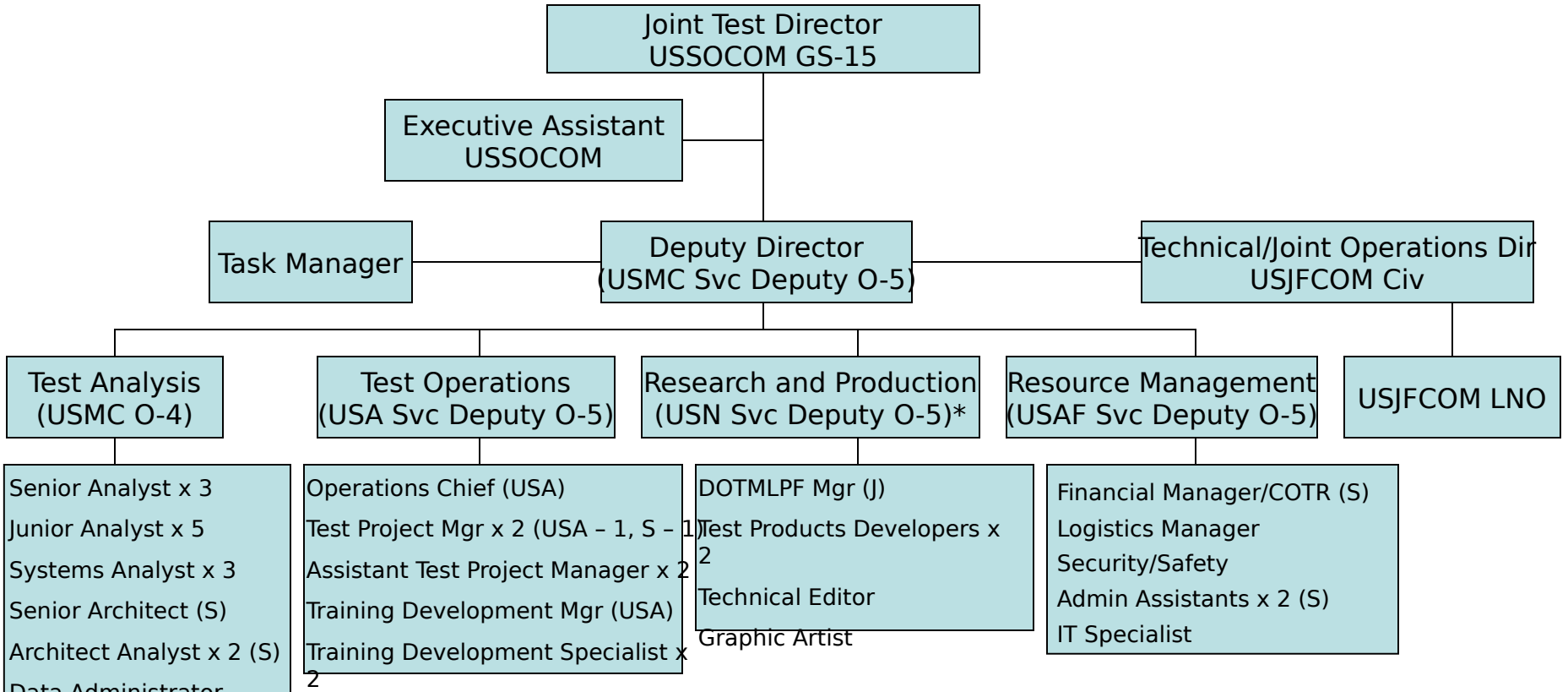
- **The results of the JIISO JT&E will enhance the Joint Force Commander's ability to:**
  - Synergistically employ SOF and CF through improved integration and interoperability and allow the forces themselves to leverage each others' actions
  - Coordinate more timely joint actions, reduce the number of missed opportunities, and dramatically decrease the potential for fratricide between SOF and CF

POTUS' & SECDEF's #1 Priority

- ***Increasing the combat potential in the Global War on Terrorism***
  - Integration and interoperability of SOF and CF on short-notice anywhere in the world with greater combat effectiveness

Questions

JIISO Organization



*USN Svc Deputy – Either through USSOCOM or OPNAV N091

Public Affairs will be handled by USJFCOM & USSOCOM command personnel.

(S) = USSOCOM
(J) = USJFCOM

JIISO Personnel	
USSOCOM	9
USMC	2
USJFCOM	3
USA	4
USAF	1
USN	1
Contractor	30
TOTAL	50

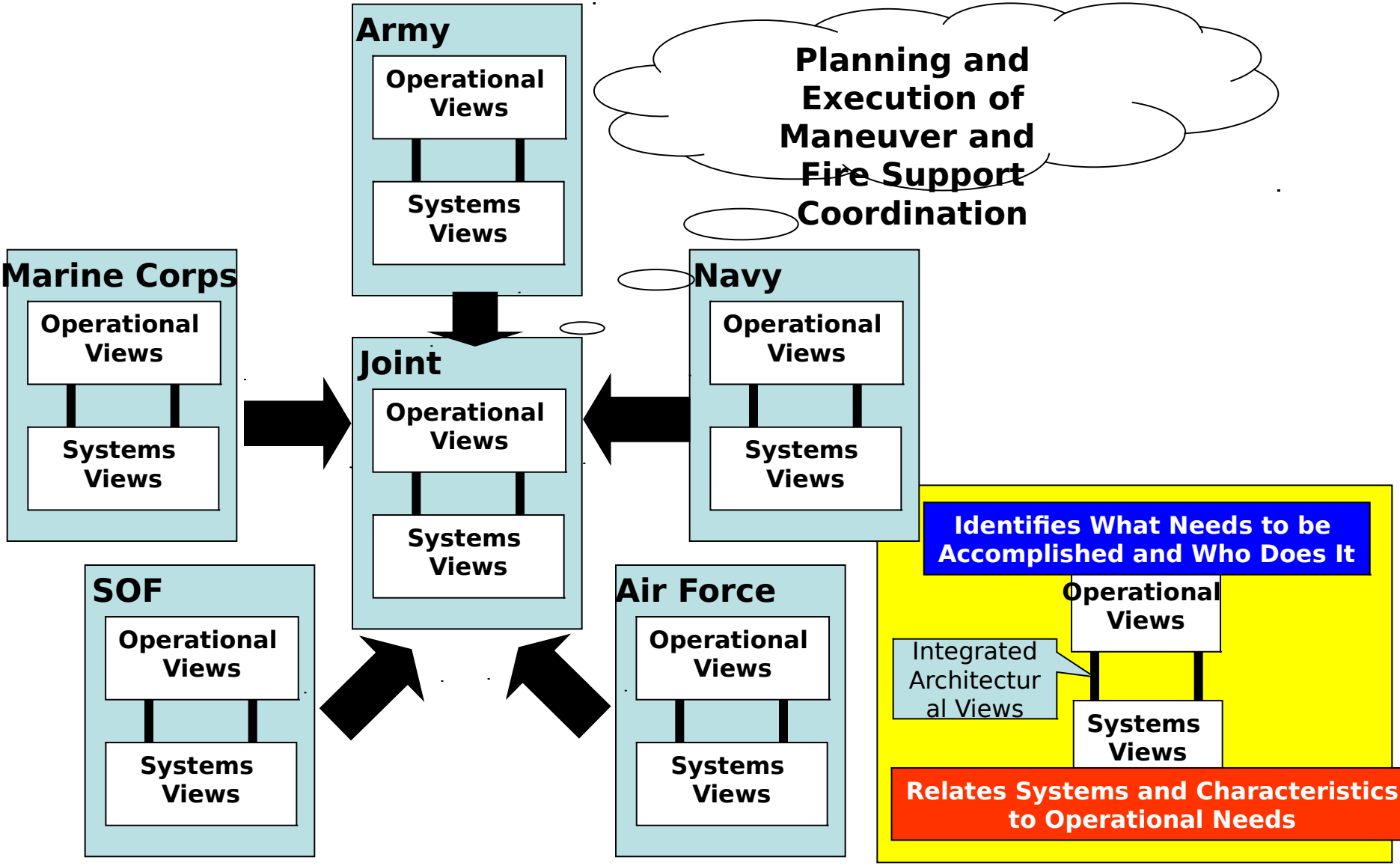
Similar or Related Efforts

- **JIISO JT&E will either complement or leverage similar or related efforts**
- **Complement:**
  - **Joint Battle Management Command and Control (JBMC2)** – Overarching roadmap that does not include SOF-CF seams in First Phase (FY05-FY12)
  - **DoD Distributed Common Ground/Surface System (DCGS)** – Family of interoperable systems capable of receiving, processing, exploiting, and disseminating information/data from airborne and national reconnaissance platforms, and commercial sources that does not address fire support coordination, synchronization, and employment.
  - **Joint Data Link Information for Combat Execution (JDICE) JT&E** – Addresses elements of Blue Force track information over Link 16 to shooters for tactical situational awareness, but does not focus on system of systems as applied to C2 planning and execution

Similar or Related Efforts
(Continued)

- **Leverage**
  - **Joint Methodology to Assess C4ISR Architecture (JMACA)** – Develop and validate a methodology to assess C4ISR architectures as they relate to mission outcome
  - **Joint Battle Force Situational Awareness (JBFSA)** Integrated Program Team (IPT) – Effective and efficient means to achieve integrated JBFSA.
  - **Web-Enabled Execution Manager Capability (WEEMC)** - Transition Automated Deep Operations Coordination System (ADOCS) functionalities to systems of record.
  - **Horizontal Fusion** – Technology demonstrations of time sensitive, net-centric collaborative operations among distributed organization components.

Coordinated Joint Integrated Architecture Description (View)



Key Definitions

- **integration** — 1. In force protection, the synchronized transfer of units into an operational commander's force prior to mission execution. 2. **The arrangement of military forces and their actions to create a force that operates by engaging as a whole.** (JP 0-2)

- **interoperability —** 1. **The ability of systems, units, or forces to provide services to and accept services from other systems, units, or forces and to use the services so exchanged to enable them to operate effectively together.** (JP 1-02)